

	Document ID	Kind Codes	Source	Issue Date	Pages
1	US 20040010499 A1		US- PGPUB	20040115	28
2	US 20030097611 A1		US- PGPUB	20030522	8
3	US 20020091670 A1		US- PGPUB	20020711	54
4	US 6658590 B1		USPAT	20031202	26
5	US 6289356 B1		USPAT	20010911	55
6	US 6219800 B1		USPAT	20010417	14
7	US 6173293 B1		USPAT	20010109	16
8	US 6052797 A		USPAT	20000418	56
9	US 5907672 A		USPAT	19990525	19
10	US 5819292 A		USPAT	19981006	56
11	US 5524205 A		USPAT	19960604	24
12	US 5485608 A		USPAT	19960116	22

	Title
1	DATABASE SYSTEM WITH IMPROVED METHODS FOR ASYNCHRONOUS LOGGING OF TRANSACTIONS
2	Method for the acceleration and simplification of file system logging techniques using storage device snapshots
3	Write anywhere file-system layout
4	Controller-based transaction logging system for data recovery in a storage area network
5	Write anywhere file-system layout
6	Fault-tolerant storage system
7	Scalable distributed file system
8	Remotely mirrored data storage system with a count indicative of data consistency
9	System for backing up computer disk volumes with error remapping of flawed memory addresses
10	Method for maintaining consistent states of a file system and for creating user-accessible read-only copies of a file system
11	Methods and apparatus for optimizing undo log usage
12	Methods and apparatus for updating information in a computer system using logs and state identifiers

	Abstract	Current OR
1		707/100
2		714/13
3		707/1
4		714/6
5		707/201
6		714/5
7		707/201
8		714/6
9		714/8
10		707/203
11		714/16
12		707/202

	Current XRef	Retrieval Classif	Inventor
1			Ghosh, Prasanta et al.
2			Delaney, William P. et al.
3			Hitz, David et al.
4	714/15; 714/20		Sicola; Stephen J. et al.
5	707/202; 707/203; 707/204; 711/161; 711/162		Hitz; David et al.
6	714/6		Johnson; Theodore et al.
7			Thekkath; Chandramohan A. et al.
8	709/219		Ofek; Yuval et al.
9	711/162		Matze; John E. G. et al.
10	707/205		Hitz; David et al.
11	711/161		Lomet; David B. et al.
12	707/204; 714/20		Lomet; David B. et al.

	Document ID	Kind Codes	Source	Issue Date	Pages
13	US 5280611 A		USPAT	19940118	17
14	US 20040010499 A		DERWENT	20040115	26
15	US 6658590 B		DERWENT	20031202	26
16	US 20030097611 A		DERWENT	20030522	7
17	US 6219800 B		DERWENT	20010417	14

	Title
13	Method for managing database recovery from failure of a shared store in a system including a plurality of transaction-based systems of the write-ahead logging type
14	Storing method for log records in data system, involves committing any changes to database made by given transactions to database after all log records for given transaction have been written to transaction log
15	Host computer data logging method for local data storage system, involves storing data and command related for every transaction between host computer and local array on log unit, and performing transaction-order merging of data
16	Journaling file systems for computer systems, has file system volume, snapshot volume and storage controller that rolls back point-in-time image of snapshot when interruption occurs
17	Fault tolerant storage system operating method involves generating new parity block by computing bitwise exclusive-OR of stored data block sequence numbers and updated parity block image, to generate intermediate result

	Abstract	Current OR
13		707/8
14		
15		
16		
17		

	Current XRef	Retrieval Classif	Inventor
13	707/202; 710/242; 714/20		Mohan; Chandrasekaran et al.
14			BHATT, V et al.
15			ELKINGTON, S G et al.
16			DEKONING, R A et al.
17			JOHNSON, T et al.

	Title
18	File system for computers in a network, has single distributed disc server layer from disc servers on computers that organize physical discs as single virtual disc with single address space
19	Remotely mirrored data storage system for banks, insurance companies counts number of invalid tracks on specified volume of remote data storage system
20	Method for backing up data in computer system from primary to backup store - saves local image copy of volume to backup medium such as magnetic tape, logical image copy can later be restored in its entirety to disk volume with different physical geometry and flaw map in disaster recovery mode
21	Write-anywhere file consistent point generation for file server back-up - marking inodes pointing to modified blocks in file system as being in consistency point, flushing regular and special files to storage, and re-queuing dirty inodes that were not part of consistency point
22	Managing database recovery from failure - writing updated pages to shared electronic store for fast write and other databases can obtain pages written to shared store

	Current XRef	Retrieval Classif	Inventor
18			LEE, E K et al.
19			KOPYLOVITZ, H et al.
20			MATZE, J E G et al.
21			HITZ, D et al.
22			MOHAN, C et al.

	Document ID	Kind Codes	Source	Issue Date	Pages
23	EP 465019 A		DERWENT	19930818	22
24	EP 465018 A		DERWENT	19930818	24

	Title
23	Data processing system for managing state identifiers for efficient re - uses state identifiers as proxies for entire states of sections of persistent storage
24	Shared disk system crash recovery with undo log usage - stores record of changes effected by transaction and indication of transaction completion

	Current XRef	Retrieval Classif	Inventor
23			JOSHI, A M et al.
24			JOSHI, A M et al.